

What is claimed is:

1. A fuel gas generating apparatus for a fuel cell comprising:
 - a vaporizer that generates a fuel vapor by vaporizing a raw liquid fuel;
 - a reformer that generates a reforming gas that includes hydrogen from the raw fuel gas that has been partially oxidized by adding reforming air to the fuel vapor generated by said vaporizer;
 - a CO eliminator that generates a fuel gas having carbon monoxide eliminated by adding a CO eliminating air to said reforming gas generated by said reformer, comprising; and
 - a reforming air amount control device that controls the supplied amount of said reforming air during the warm-up of said reformer so as to become larger than the supplied amount of reforming air during the idle operation after completion of the warm-up.
2. A fuel gas generating apparatus for a fuel cell according to claim 1 comprising a fuel amount control device that controls the supplied amount of said raw liquid fuel during the warm-up of said reformer so as to become larger than the supplied amount of raw liquid fuel during idle operation after completion of the warm-up.
3. A fuel gas generating apparatus for a fuel cell according to claim 2 wherein the ratio of the increased supplied amount of reformed air controlled by said reforming air amount control device is set larger than the ratio of the increased supplied amount of raw liquid fuel controlled by said fuel amount control device.
4. A fuel gas generating apparatus for a fuel cell according to claims 1 through 3 wherein the temperature corresponding to the warm-up state of said reformer is detected, and when this detected temperature has become higher than a predetermined temperature, the supplied amount of reforming air that is increased by said reforming air amount control device during the warm-up of the reformer is then decreased.
5. A fuel gas generating apparatus for a fuel cell according to claim 4 wherein the control for decreasing the supplied amount of said reforming air is decreased depending

on said detected temperature.

6. A fuel gas generating device for a fuel cell according to claim 4 wherein said detected temperature is at least one among the temperature of the catalyst in said reformer, the temperature of said reforming gas, or the temperature of the case of the reformer.

7. A fuel gas generating device for a fuel cell according to claim 5 wherein said detected temperature is at least one among the temperature of the catalyst in said reformer, the temperature of said reforming gas, or the temperature of the case of the reformer.

8. A fuel gas generating apparatus for a fuel cell comprising:

a vaporizer that generates a fuel vapor by vaporizing a raw liquid fuel;

a reformer that generates a reforming gas that includes hydrogen from the raw fuel gas that has been partially oxidized by adding reforming air to the fuel vapor generated by said vaporizer;

a CO eliminator that generates a fuel gas having carbon monoxide eliminated by adding a CO eliminating air to said reforming gas generated by said reformer; and

a CO elimination air amount control device that controls the supplied amount of said CO eliminating air during the warm-up of said CO eliminator so as to become larger than the supplied amount of CO eliminating air during the idle operation after completion of the warm-up.

9. A fuel gas generating apparatus for a fuel cell according to any claims 1 and 7 wherein said reformer and CO eliminator supply the fuel gas to the fuel cell after it has been determined that the warm-up has completed.

10. A fuel gas generating apparatus for a fuel cell according to claim 4 wherein said reformer and CO eliminator supply the fuel gas to the fuel cell after it has been determined that the warm-up has completed.

11. A fuel gas generating apparatus for a fuel cell according to claim 1 wherein a

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